

FIG1.

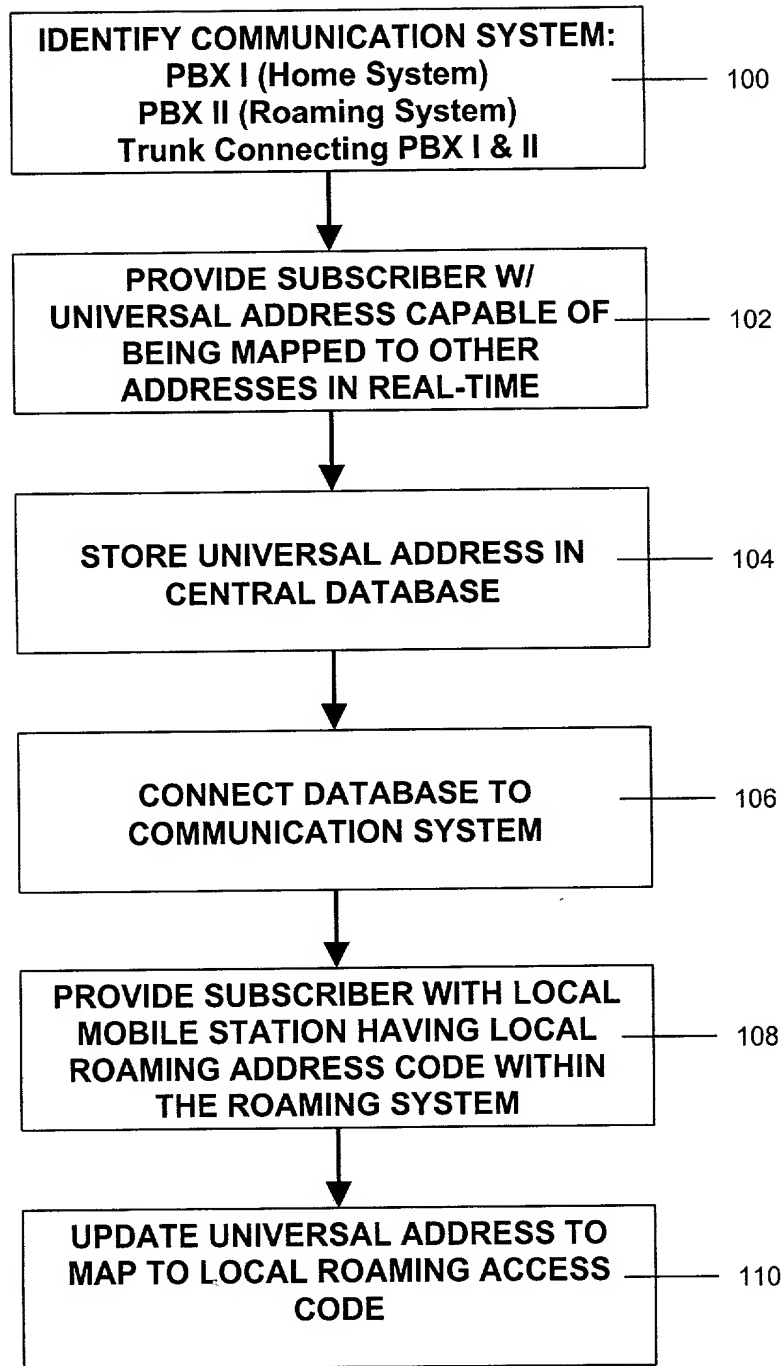


FIG. 2

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graph TD; 111[REGISTER A NEW SUBSCRIBER WITH THE COMMUNICATION SYSTEM] --> 113[ASSIGN THE SUBSCRIBER A UNIVERSAL ADDRESS]; 113 --> 115[PROVIDE A DEFAULT TELEPHONE NUMBER THAT WILL BE INITIALLY MAPPED TO THE UNIVERSAL ADDRESS]; 115 --> 117[STORE THE UNIVERSAL ADDRESS AND MAPPED TELEPHONE NUMBER IN THE DATABASE]; 117 --> 119[PROVIDE METHOD FOR DYNAMICALLY UPDATING UNIVERSAL ADDRESS];
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The flowchart illustrates a five-step process for subscriber registration and address management. It begins with registering a new subscriber, followed by assigning a universal address, providing a default telephone number, storing the information in a database, and finally providing a method for dynamically updating the universal address.

- 111 REGISTER A NEW SUBSCRIBER WITH THE COMMUNICATION SYSTEM
- 113 ASSIGN THE SUBSCRIBER A UNIVERSAL ADDRESS
- 115 PROVIDE A DEFAULT TELEPHONE NUMBER THAT WILL BE INITIALLY MAPPED TO THE UNIVERSAL ADDRESS
- 117 STORE THE UNIVERSAL ADDRESS AND MAPPED TELEPHONE NUMBER IN THE DATABASE
- 119 PROVIDE METHOD FOR DYNAMICALLY UPDATING UNIVERSAL ADDRESS

FIG. 3A

105011 79930001

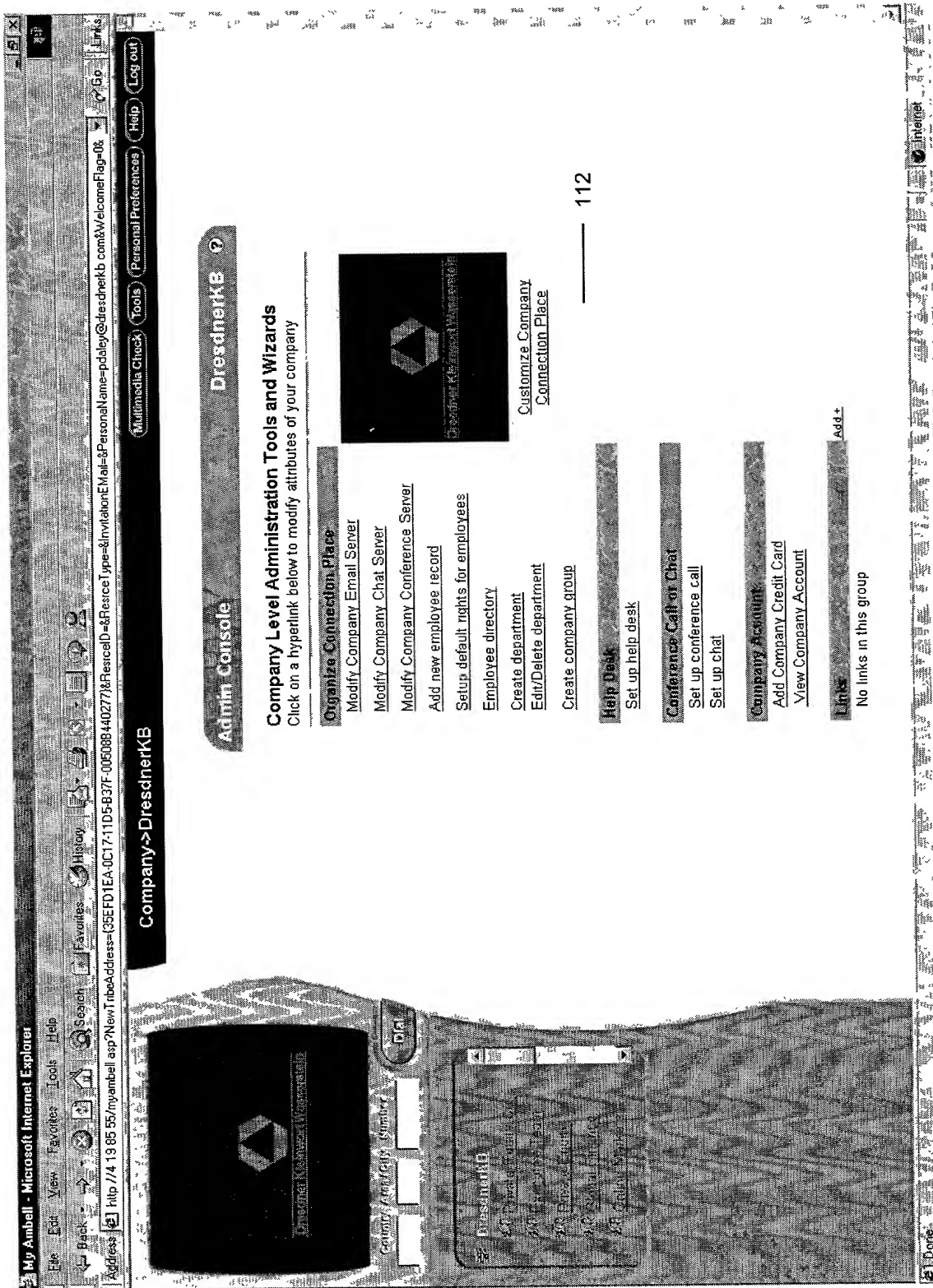


FIG. 3B

FIG. 3C

My Ambell - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites History

Address http://419.85.55/myambell.asp?NewTabPageAddress=(35FD1EA-0C17-11D5-837F-0050088440277)&RescedID=4&RescedType=InvitationMail&PersonalName=pdaley@dresdnrk.com&WelcomeFlag=0&

Links

Company > DresdnrkB

Multimedia Check Tools Help Log out

Add Employee Wizard Step 1

Enter Employee Information
Enter the information pertaining to the new employee
(All fields are required)

First Name 114

Last Name 114

Job Title 116

UserID/Email Address 116

User Password 116

Confirm Password 116

Phone Number 118

Phone Ext 118

Next Cancel

FIG. 3C

```
graph TD; 120[PROVIDE AN AIN SYSTEM CONNECTED TO LOCAL MOBILE STATION AND DATABASE] --> 122[PROMPT SUBSCRIBER TO CALL AIN SYSTEM USING LOCAL MOBILE STATION]; 122 --> 124[IDENTIFY SUBSCRIBER]; 124 --> 126[IDENTIFY LOCAL ROAMING ADDRESS CODE USING AIN SYSTEM]; 126 --> 128[AUTOMATICALLY UPDATE SUBSCRIBER'S UNIVERSAL ADDRESS W/ DATABASE TO MAP TO LOCAL ROAMING ADDRESS CODE];
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The flowchart illustrates a five-step process for updating a subscriber's address. It begins with step 120: 'PROVIDE AN AIN SYSTEM CONNECTED TO LOCAL MOBILE STATION AND DATABASE'. This leads to step 122: 'PROMPT SUBSCRIBER TO CALL AIN SYSTEM USING LOCAL MOBILE STATION'. Step 122 leads to step 124: 'IDENTIFY SUBSCRIBER'. Step 124 leads to step 126: 'IDENTIFY LOCAL ROAMING ADDRESS CODE USING AIN SYSTEM'. Finally, step 126 leads to step 128: 'AUTOMATICALLY UPDATE SUBSCRIBER'S UNIVERSAL ADDRESS W/ DATABASE TO MAP TO LOCAL ROAMING ADDRESS CODE'.

FIG. 4

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graph TD; 130[CALLER CONNECTS TO HOME PBX THROUGH COMMUNICATION SYSTEM] --> 132[MAP UNIVERSAL ADDRESS TO LOCAL ROAMING ADDRESS]; 132 --> 134[IDENTIFY ROAMING PBX AND LEAST-COST PATH]; 134 --> 136[ROUTE CALL THROUGH LEAST-COST PATH TO ROAMING PBX]; 136 --> 138[INITIATE LOCAL CALL FROM ROAMING PBX TO LOCAL ROAMING ADDRESS CODE];
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1300

CALLER CONNECTS TO HOME PBX THROUGH COMMUNICATION SYSTEM 130

MAP UNIVERSAL ADDRESS TO LOCAL ROAMING ADDRESS 132

IDENTIFY ROAMING PBX AND LEAST-COST PATH 134

ROUTE CALL THROUGH LEAST-COST PATH TO ROAMING PBX 136

INITIATE LOCAL CALL FROM ROAMING PBX TO LOCAL ROAMING ADDRESS CODE 138

FIG. 5

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graph TD; 140[SUBSCRIBER CONNECTS TO ROAMING PBX THROUGH COMMUNICATION SYSTEM] --> 142[INDICATE LOCAL HOME ADDRESS CODE]; 142 --> 144[IDENTIFY HOME PBX AND LEAST-COST PATH]; 144 --> 146[ROUTE CALL THROUGH LEAST-COST PATH TO HOME PBX]; 146 --> 148[INITIATE LOCAL CALL FROM ROAMING PBX TO LOCAL ROAMING ADDRESS CODE];
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1400

140 SUBSCRIBER CONNECTS TO ROAMING PBX THROUGH COMMUNICATION SYSTEM

142 INDICATE LOCAL HOME ADDRESS CODE

144 IDENTIFY HOME PBX AND LEAST-COST PATH

146 ROUTE CALL THROUGH LEAST-COST PATH TO HOME PBX

148 INITIATE LOCAL CALL FROM ROAMING PBX TO LOCAL ROAMING ADDRESS CODE

FIG. 6